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SHENANDOAH NURSERIES

Shenandoah, Iowa

Spring
BULLETIN
No. 2



March 28, 1950

ORDER TODAY
LONG DISTANCE PHONES
406 - 407

A DEPENDABLE SOURCE FOR QUALITY NURSERY STOCK
FOR OVER 75 YEARS

TERMS AND CONDITIONS OF SALE

Terms—1% discount for cash if paid on or before 10th of month following date of invoice and is due **NET** 30 days thereafter.

Cash security, or satisfactory reference is required from unknown parties. Orders to be sent C. O. D. should be accompanied by one-fourth cash. Interest charged on past due accounts.

PRICES—Apply upon the following quantities: Fruit Trees, Shade Trees, Shrubs, Roses, Vines, **PERENNIALS** (including **PEONIES** and **LILIES**).

300 or more take 1000 rates where published.

30 to 300 take 100 rates.

Under 30 take 10 rates.

All grades and varieties in any one class are allowed to make up total. Example: All kinds of fruit trees will be considered as one class and all varieties of shrubs as one class, etc.

SMALL FRUITS, HEDGINGS, PRIVET and ALL SEEDLINGS

300 of same variety and grade take 1000 rates.

Under 300 of same variety and grade take 100 rates.

EVERGREENS, BALLED and BURLAPPED

30 trees (any assortment) take 100 rates.

Under 30 trees (any assortment) take 10 rates.

FALL AND SPRING BULBS

300 or more bulbs (not less than 50 of any one variety) take 1000 rates.

Under 300 bulbs take 100 rates.

BROKEN LOTS—The wholesale prices in this list apply only on Wholesale Quantities. Orders should call for ten of a kind and size, and beyond that for multiples of ten. Orders for broken lots cannot be accepted.

SUBJECT NOTICE—The prices named in this list cancel all previous lists and are **SUBJECT TO CHANGE WITHOUT NOTICE**. All sales and contracts are made subject to crop losses or other causes over which we have no control.

SHIPPING—We request customers to give definite shipping instructions regarding manner in which they wish goods shipped. In the absence of special instructions we use our best judgment, but without assuming responsibility. All shipments travel at risk and expense of purchaser.

TRUCK DELIVERY—We are able to give truck service on full loads to many points at equal or lower than local freight rates. This means delivery to your door. Some customers prefer to employ their own trucks which is satisfactory; but, in this case, we will appreciate two or three days advance notice—giving us ample time to have your stock ready for loading.

PACKING—No charge for packing bulk cars. Bales and boxes will be charged at actual cost of material and labor used.

CLAIMS—FOR ANY CAUSE MUST BE MADE PROMPTLY UPON RECEIPT OF GOODS. WE WILL NOT ENTERTAIN CLAIMS AFTER GOODS HAVE BEEN ONCE ACCEPTED, OR WHEN REPORT IS NOT MADE IN WRITING WITHIN TEN DAYS AFTER ARRIVAL OF STOCK.

GUARANTEE—WE GIVE NO WARRANTY, EXPRESSED OR IMPLIED, AS TO LIFE, DESCRIPTION, QUALITY, PRODUCTIVENESS, OR ANY OTHER MATTER OF ANY NURSERY STOCK, SEEDS OR PLANTS THAT WE SELL. IT IS MUTUALLY AGREED THAT OUR TOTAL LIABILITY FOR ANY ERRORS, SHOULD STOCK PROVE UNTRUE TO NAME AS LABELED, SHALL BE LIMITED UPON SATISFACTORY PROOF, TO OUR REPLACING FREE OR REFUNDING PURCHASE PRICE.

THE SHENANDOAH NURSERIES

D. S. LAKE, President

K. D. HOLMES, Vice-Pres.

R. S. MULLISON, Vice-Pres.

A. D. HUNT, Treas.

Please note that caliper shall govern the size of fruit trees. The height given below represents the average height of most varieties.

All Fruit Trees are tied: 11/16 and 9/16, 10; 7/16 and 5/16, 20 per bundle.

APPLE and CRAB

WRITE FOR SPECIAL PRICES ON QUANTITY LOTS

							Per 10	Per 100	Per 1000
Standard First Class, 4½ ft. and up, 11/16 to 7/8 in.							\$ 4 50	\$40 00	\$350 00
" " " 4 " " " 9/16 to 11/16 in.							4 00	35 00	300 00
" " " 3 " " " 7/16 to 9/16 in.							2 90	25 00	
" " " 2 " " " 5/16 to 7/16 in.							2 40	20 00	

11/16-7/8" 9/16-11/16" 7/16-9/16" 5/16-7/16"

Anoka	1000	600		
Baldwin	200	70	40	
Banana	500	280	130	50
Beacon	550	450	200	100
Blackben	540	150	50	60
Cortland			200	
Delicious Dark Red	1700	300	100	400
Delicious Yellow	6500	1350	800	500
Duchess	100	550	300	300
Duchess Dark Red		800	500	40
Early Harvest	60	360	120	120
Fameuse	780	540	250	100
Fireside	1400	200		
Florence	10	90	70	30
Gallia Beauty	170	120	70	50
Grimes Golden	3000	900	150	
Haralson		520	350	
Hibernal		450	120	150
Ingram	950	630	250	120
Joan	120	60	30	20
Jonathan Dark Red	2900	2600	650	400
Liveland	200	130	90	65
Lodi	250	150	100	40
McIntosh	300	500	250	
McIntosh Early	1300	650	320	50
McIntosh Dark Red	200	500		100
Milton	450	300	150	80
Macoun	150	170	100	50
Maiden Blush	350	140		
Melba	400	250	150	100
Minn. No. 638		190	40	30
Minn. No. 790	750	280	100	80
Minjon	1600	650	100	50
Northern Spy Red	50	700	100	140
N. W. Greening	1300	250	100	
Prairie Spy	1200	850	250	300
Red Astrachan	180	200	140	80
Red June	80	470	120	150
R. I. Greening	200	60		50
Roman Stem	120	50	40	10
Rome Beauty Red	2000	300	80	50

APPLE and CRAB—(Continued)

	11/16-7/8"	9/16-11/16"	7/16-9/16"	5/16-7/16"
Sharon	860	280	160	100
Stayman Dark Red	750	300	300	80
Tolman Sweet	1100	400	150	140
Turley	600	870	400	120
Victory	1200	450	100	50
Virginia	1200	400	280	270
Wealthy	770	1100	150	-----
Whitney	2800	3200	1600	1400
Winesap Dark Red	470	900	120	150

APPLE—One Year, Mostly Whips

	Per 10	Per 100	Per 1000
4 to 5 ft.	\$ 3 20	\$ 28 00	\$250 00
3 to 4 ft.	2 50	22 50	200 00
2 to 3 ft.	2 10	18 00	150 00
	4/5'	3/4'	2/3'
Baldwin	160	320	100
Cortland	20	150	90
Delicious Yellow	90	20	50
Dolgo	-----	-----	490
Duchess	-----	-----	300
Hibernal	-----	-----	320
Jonathan Dark Red	-----	-----	650
McIntosh Dark Red	-----	500	-----
Red Rome Beauty	-----	-----	150
Stayman Dark Red	-----	270	50

CHERRY—Sour, Two Year

(On Mahaleb)

WRITE FOR SPECIAL PRICES ON QUANTITY LOTS

	Per 10	Per 100	Per 1000
4 ft. and up, 11/16 in. and up	\$ 8 50	\$80 00	\$750 00
3½ " " " 9/16 to 11/16 in.	7 50	70 00	650 00
3 " " " 7/16 to 9/16 in.	6 50	60 00	-----
2 " " " 5/16 to 7/16 in.	5 00	45 00	-----
5 " " " 1 in. and up (Extra Heavy)	10 00	90 00	850 00

	1" & up	11/16"	9/16-11/16"	7/16-9/16"	5/16-7/16"
Early Richmond	2100	1200	1800	700	180
English Morello	-----	540	650	300	100
Montmorency	1300	1200	3200	1500	100
Wragg	-----	1500	850	400	140

CHERRY—Sour, One Year

(On Mahaleb)

WRITE FOR SPECIAL PRICES ON QUANTITY LOTS

	Per 10	Per 100	Per 1000
3½ ft. and up, 11/16 in. and up	\$ 8 50	\$80 00	\$750 00
3 " " " 9/16 to 11/16 in.	7 50	70 00	650 00
2½ " " " 7/16 to 9/16 in.	6 50	60 00	-----
2 " " " 5/16 to 7/16 in.	5 00	45 00	-----

	11/16-1"	9/16-11/16"	7/16-9/16"	5/16-7/16"
Early Richmond	1200	340	680	-----
English Morello	90	560	1360	500
Montmorency	450	200	90	400
Early Richmond (On Mazzard)	250	220	320	120

CHERRY—Sweet, One Year

(On Mahaleb)

	Per 10	Per 100	Per 1000
4½ ft. and up, 11/16 in. and up, branched & whips	\$11 00	\$100 00	\$900 00
4 " " " 9/16 to 11/16 in. " " "	9 00	85 00	800 00
3 " " " 7/16 to 9/16 in. " " "	7 50	70 00	650 00
2 " " " 5/16 to 7/16 in., mostly whips	6 00	55 00	500 00

	11/16-1"	9/16-11/16"	7/16-9/16"	5/16-7/16"
Bing	150	30	---	---
Black Republican	---	240	---	---
Black Tartarian	100	170	---	---
Lambert	200	180	---	---
Napoleon	---	190	180	---
Yellow Glass	400	890	670	200

BUDED**NANKING CHERRY****TOMENTOSA, Orient Cherry Minn. (#63)**

An improved variety, producing an abundance of blooms. Self fertile, produces an abundance of fruit. Flesh of fruit is meaty, juicy with a pleasant subacid flavor. Excellent for eating fresh or for Jams and Jelly.

	Per 10	Per 100	Per 1000
30 3 to 4 ft.	\$ 6 50	\$60 00	\$-----
150 4 to 5 ft.	8 00	75 00	-----
480 5 to 6 ft.	10 00	90 00	850 00

HANSEN'S BUSH CHERRY

(Improved Besseyi)

The fruit is large, sweet, shaped like a plum. Very hardy and bears well in poor soil. Will bear fruit first year planted.

	Per 10	Per 100	Per 1000
180 2 to 3 ft. transplants	\$ 2 90	\$25 00	\$-----
260 18 to 24 in. "	2 40	20 00	-----
250 12 to 18 in. "	1 80	15 00	-----

PEAR STANDARD**WRITE FOR SPECIAL PRICES ON QUANTITY LOTS**

	Per 10	Per 100	Per 1000
Two Year, 4 ft. and up, 9/16 to 11/16 in.	\$ 5 50	\$50 00	\$450 00
" " 3 " " 7/16 to 9/16 in.	4 00	35 00	-----
" " 2 " " 5/16 to 7/16 in.	3 00	25 00	-----

	9/16-11/16"	7/16-9/16"	5/16-7/16"
Anjou	190	90	---
Bantam	300	760	250
Bartlett	300	670	400
Clapp's Favorite	120	40	---
Douglas	550	350	---
Duchess	250	40	---
Flemish Beauty	720	700	200
Gorham	---	40	130
Kieffer	420	100	40
Lincoln	390	340	120
Mendel	650	540	50
Parker	760	190	120
Patten	300	---	40
Seckel	1000	900	250

**PLUM—One and Two Year
EUROPEAN and JAPANESE
(On Myrobolan)**

WRITE FOR SPECIAL PRICES ON QUANTITY LOTS

	Per 10	Per 100	Per 1000
4½ ft. and up, 11/16 in. and up.....	\$ 7 00	\$65 00	\$600 00
4 " " " 9/16 to 11/16 in.....	5 50	50 00	450 00
3 " " " 7/16 to 9/16 in.....	4 00	35 00	300 00
2 " " " 5/16 to 7/16 in.....	3 50	30 00	250 00

	11/16-1"	9/16-11/16"	7/16-9/16"	5/16-7/16"
Abundance			20	100
Blue Damson	150	180		60
Fellenburg	450	700	500	
German Prune		250	60	
Green Gage	500	300	100	
Italian Prune	650	550	590	
Lombard	240	70	50	40
Red June		100		
Reine Claude	650	260	130	50
Stanley Prune	670	750	250	
Yellow Egg	230	180	260	90

**PLUM—One Year
AMERICAN and HARDY HYBRIDS
(On Peach Roots)**

WRITE FOR SPECIAL PRICES ON QUANTITY LOTS

	Per 10	Per 100	Per 1000
4½ ft. and up, 11/16 to 1 in.....	\$ 7 00	\$65 00	\$600 00
4 " " " 9/16 to 11/16 in.....	5 50	50 00	450 00
3 " " " 7/16 to 9/16 in.....	4 00	35 00	300 00
2 " " " 5/16 to 7/16 in.....	3 50	30 00	250 00

	11/16" & up	9/16-11/16"	7/16-9/16"	5/16-7/16"
Ember	300	200	100	
Hanska		30	500	530
Kahinta	390	700	620	100
Opata		130	490	190

**PLUM—One Year
AMERICAN and HARDY HYBRIDS
(On Native Roots)**

—WRITE FOR SPECIAL PRICES ON QUANTITY LOTS—

	Per 10	Per 100	Per 1000
4½ ft. and up, 11/16 to 1 in.....	\$ 7 00	\$65 00	\$600 00
4 " " " 9/16 to 11/16 in.....	5 50	50 00	450 00
3 " " " 7/16 to 9/16 in.....	4 00	35 00	300 00
2 " " " 5/16 to 7/16 in.....	3 50	30 00	250 00

	11/16-1"	9/16-11/16"	7/16-9/16"	5/16-7/16"
Compass	130	300	400	300
Ember	680	340	150	30
Hanska	70	400	400	130
Kaga		100	140	100
Kahinta	900	1100	900	200
Oka		60	260	600
Omaha	20	200	100	40
Opata		450	190	230
Red Coat	270	130	30	
Sapa	90	590	500	130
Superior	400	470	200	70
Terry	50	100	110	50
Toka	670	730	400	100
Underwood	200	550	260	30
Waneta		380	240	40

CURRENTS

Tied, No. 1, 25; No. 2, 50 per Bundle.

		Per 100	Per 1000
400	Cherry, dark red, 2 Yr. No. 1	\$ 14 00	\$125 00
200	" " " 2 Yr. No. 2	10 00	85 00
	Red Lake, the light red berries are large in long clusters; thrifty and extremely productive.		
400	2 Year, No. 1	18 00	160 00
200	2 Year, No. 2	14 00	125 00

GOOSEBERRIES

Tied 25 per Bundle.

		Per 100	Per 1000
200	Downing, pale green, 2 yr. No. 1	\$ 25 00	\$220 00
450	" " " 2 yr. No. 2 or 1 yr. No. 1	20 00	180 00
500	Houghton, dark red, 2 yr. No. 1	20 00	180 00

RASPBERRIES

Tied 25 per Bundle.

		Per 100	Per 1000
	Chief, a Latham seedling, finest early red; heavy producer.		
1500	No. 1 Suckers	\$ 5 60	\$ 50 00
2500	Cumberland, most widely planted black-cap Raspberry. Tips	5 00	45 00
	Indian Summer, (Red Everbearing), a superior new everbearing variety; large, of high quality.		
	1 Yr. No. 1 Suckers	6 50	60 00
	Latham, a large, productive red variety, always in demand.		
1200	No. 1	5 60	50 00
	Morrison, a new blackcap, much larger than Cumberland. Vigorous, disease resistant.		
500	Tips	6 50	60 00
	Sodus, a new very large drought-resistant purple Raspberry; possibly most productive of all Raspberries.		
2000	1 Yr. No. 1 Tips	6 50	60 00

GRAPE VINES

Tied, 2 Yr. No. 1, 50; 2 Yr. No. 2, 100 per Bundle

		Per 100	Per 1000
600	Beta, black, 2 Yr. No. 1	\$ 14 00	\$125 00
700	" " 2 Yr. No. 2 or 1 Yr. No. 1	12 00	100 00
	Caco, red grape, large fruit, delicious spicy flavor. Bears young, heavily and regularly. Ripens first of September.		
300	2 Yr. No. 1	18 00	
600	2 Yr. No. 2 or 1 Yr. No. 1	14 00	
4500	Concord, black, 2 Yr. No. 1	12 00	100 00
1000	" " 2 Yr. No. 2 or 1 Yr. No. 1	8 00	75 00
300	Delaware, red, 2 Yr. No. 1	18 00	150 00
500	" " 2 Yr. No. 2 or 1 Yr. No. 1	14 00	120 00
	Fredonia, earliest black grape. Large clusters of berries with a juicy delicious flavor; vigorous and very hardy.		
500	2 Yr. No. 1	14 00	125 00
250	Moore's Early, black, 2 Yr. No. 1	16 00	140 00
1000	" " " 2 Yr. No. 2 or 1 Yr. No. 1	13 00	110 00
400	Niagara, white, 2 Yr. No. 1	14 00	125 00
1500	" " 2 Yr. No. 2 or 1 Yr. No. 1	12 00	100 00
100	Portland, 2 Yr. No. 2 or 1 Yr. No. 1	16 00	140 00

BLACKBERRIES

Tied 25 per Bundle

		Per 100	Per 1000
4000	Alfred, No. 1	\$ 5 00	\$ 45 00
1900	Ancient Britton, No. 1	5 00	45 00
2600	" " No. 2	4 00	35 00
700	Blowers, No. 1	5 00	45 00
800	" No. 2	4 00	35 00
500	Early Harvest, No. 1	5 00	45 00
1000	" " No. 2	4 00	35 00
300	Eldorado, No. 1	5 00	45 00
400	" No. 2	4 00	35 00
700	Snyder, No. 1	5 00	45 00

MISCELLANEOUS

		Per 100	Per 1000
1500	Asparagus, Conover's Washington Palmetto, 2 Yr. No. 1	\$ 1 90	\$ 16 00
10000	" " " " 1 Yr. No. 1	1 20	10 00
	Asparagus, Paradise, a tremendous grower, yielding two to three times as much as other varieties. Exceptionally large; fine flavor; rust-proof.		
1000	2 Yr. No. 1	1 90	16 00
8000	1 Yr. No. 1	1 20	10 00
10000	Boysenberry, Tip plants	5 50	50 00
800	Boysenberry, Thornless, Tip plants	6 50	60 00
2500	Dewberry, Lucretia, R. C. Plants, No. 1	4 50	40 00
6000	" " " " " 2	3 50	30 00
10000	Rhubarb, Victoria, Whole Roots 1 Yr. ½ to ⅝ in.	2 90	25 00
		Per 10	Per 100
300	Rhubarb, Chipman Red, sweet and of excellent flavor; stems dark red throughout.	\$ 4 50	\$ 40 00

FRUIT TREE SEEDLINGS — American Grown

Our fruit tree seedlings are grown in Washington and Oregon where weather conditions are ideal. They are dug only when well ripened, and carefully graded by experienced graders. We are sure you will be pleased with them.

		Per 100	Per 1000
CHERRY MAHALEB, Western grown			
2000	No. 2, 2/16 to 3/16 in.	\$ 2 40	\$ 20 00
PEAR BARTLETT, Western grown			
6000	No. 2, 2/16 to 3/16 in., branched	2 40	20 00
PLUM MYROBOLAN, Western grown			
1000	No. 2, 2/16 to 3/16 in.	2 40	20 00

FOREST TREE SEEDLINGS

Our seedlings are all carefully graded, the crooked and poor seedlings being discarded. We are confident that our stock will please you.

ASH, GREEN (*Fraxinus pennsylvanica lanceolata*)

	Per 100	Per 1000
900 12 to 18 in.	\$ 1 80	\$ 15 00
2000 18 to 24 in.	2 50	22 00
1500 2 to 3 ft.	3 20	28 00
3500 3 to 4 ft.	4 50	40 00
1600 4 to 5 ft.	6 50	60 00
100 5 to 6 ft.	9 00	80 00

BOXELDER, (*Acer negundo*)

1300 6 to 12 in.	1 20	10 00
3300 12 to 18 in.	1 90	16 00
2600 18 to 24 in.	2 60	22 00

BUCKTHORN CATHARTICA, (*Rhamnus cathartica*)

2400 6 to 12 in.	3 00	25 00
2500 12 to 18 in.	4 00	35 00
1250 18 to 24 in., 2 year	5 60	50 00
1050 2 to 3 ft., 2 year	7 50	65 00
350 3 to 4 ft. " "	9 00	80 00

CARAGANA arborescens (Siberian Pea tree)

1250 6 to 12 in.	2 10	18 00
200 12 to 18 in.	3 20	28 00
500 18 to 24 in.	5 00	40 00
600 2 to 3 ft.	6 50	55 00

CATALPA, Western

1200 6 to 12 in.	90	8 00
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ELM, American (*Ulmus americana*)

7700 6 to 12 in.	80	7 00
12000 12 to 18 in.	1 40	12 00
1500 3 to 4 ft.	3 70	32 00
300 5 to 6 ft.	9 00	80 00
600 6 to 8 ft.	14 00	110 00

ELM, Chinese (*Ulmus pumila*)

80000 12 to 18 in.	1 70	14 00
11000 12 to 24 in.	2 40	20 00
30000 2 to 3 ft.	3 50	30 00
11000 3 to 4 ft.	5 00	45 00

LOCUST, Black (*Robinia pseudoacacia*)

2800 12 to 18 in.	1 40	12 00
300 18 to 24 in.	2 10	18 00
6500 2 to 3 ft.	2 90	25 00
1900 3 to 4 ft.	4 50	40 00

MAPLE, Silver (*Acer dasycarpum*)

18500 6 to 12 in.	1 20	10 00
24000 12 to 18 in.	1 80	15 00
3000 18 to 24 in.	2 90	25 00
300 2 to 3 ft.	4 50	40 00

MULBERRY, Russian (*Morus tatarica*)

3000 6 to 12 in.	1 20	10 00
600 3 to 4 ft.	5 60	50 00

FOREST TREE SEEDLINGS—(Continued)

	Per 100	Per 1000
OLIVE, Russian (<i>Elaeagnus angustifolia</i>)		
200 6 to 12 in.	\$ 2 10	\$ 18 00
2000 12 to 18 in.	3 20	28 00
3500 18 to 24 in.	4 50	40 00
1400 2 to 3 ft.	6 50	60 00

WALNUT, Black (*Juglans nigra*)

900 18 to 24 in.	4 50	40 00
550 2 to 3 ft.	6 00	55 00
900 3 to 4 ft.	9 00	80 00
1900 4 to 5 ft.	12 00	100 00
1400 5 to 6 ft.	15 00	120 00
1200 6 to 8 ft.	18 00	150 00

ONE YEAR FROM CUTTINGS

POPLAR (*Populus*)**Carolina and Norway**

100 3 to 4 ft., "	7 00	60 00
200 4 to 5 ft., whips and lightly branched	8 50	75 00
700 5 to 6 ft., " " " "	10 00	90 00
700 6 to 8 ft. " " " "	13 00	110 00

Simoni (Chinese Lombardy)

300 3 to 4 ft., whips	8 50	75 00
900 4 to 5 ft., "	10 00	90 00
600 5 to 6 ft., "	14 00	120 00

WILLOW (*Salix*)**Niobe (Golden Weeping)**

450 12 to 18 in.	2 90	25 00
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Pussy (discolor)

450 12 to 18 in.	2 40	20 00
900 18 to 24 in.	4 00	35 00
3200 2 to 3 ft.	5 60	50 00

Wisconsin (*blanda*)

450 3 to 4 ft.	7 00	60 00
750 4 to 5 ft.	8 50	75 00



ORNAMENTAL and SHADE TREES

Our Ornamental and Shade Trees are first-class, well-shaped, nursery-grown trees, transplanted and properly spaced to allow ample limb spread.

All calipers are taken 6 inches above the collar.

CATALPA

bungei (Manchurian) 10-12 ft.	Per 10	Per 100
Large tree, heart-shaped leaves. A dwarf, globe-shaped tree.		
50 1 year heads, 4 to 5 ft. stems.....	\$11 00	\$100 00
370 2 year heads, 4 to 5 ft. stems.....	13 50	125 00
290 2 year heads, 5 to 6 ft. stems.....	16 50	150 00

CRAB, Flowering (Malus)

Hopa (Red Flowering Crab) 20-25 ft. April-May.

One of the most desirable varieties. An attractive upright-growing tree that becomes literally covered with large, rose-colored flowers. Very hardy and free from disease. Planted extensively.

100 2 to 3 ft., whips.....	2 90	25 00
240 3 to 4 ft., ".....	4 00	35 00
100 4 to 5 ft., ".....	5 50	50 00
680 2 to 3 ft., branched.....	4 00	35 00
320 3 to 4 ft., ".....	5.00	45 00

CRAB, FLOWERING (MALUS)

Atrosanguinea Carmine Crab. 15-20 ft.

Brilliant single carmine flowers and purplish-bronze foliage. Resembling wild rose, followed by scarlet fruit.

20 3 to 4 ft.....	6 50	-----
50 4 to 5 ft.....	8 00	75 00

niedzwetzkyana (Redvein Crab)

Large deep pink flowers; red bark, leaves and fruit.

150 2 to 3 ft.....	5 00	45 00
150 3 to 4 ft.....	6 50	60 00
70 4 to 5 ft.....	8 00	75 00

parkmanni 18-20 ft. April-May.

Dwarf with long-stemmed semi-double flowers of deep rose.

30 2 to 3 ft.....	5 00	45 00
100 3 to 4 ft.....	6 50	60 00
10 4 to 5 ft.....	8 00	-----

Red Silver. 25-30 ft.

Cut-leaved, maroon red and silver foliage, bright red fruit.

60 2 to 3 ft.....	5 00	45 00
140 3 to 4 ft.....	6 50	60 00
20 4 to 5 ft.....	8 00	-----

MAPLE (Acer)

Schwedleri (Purple Leaf Maple) 40-50 ft.

A perfectly shaped tree. Gleaming red and purplish-green in Mid-summer and in Autumn golden yellow.

120 4 to 5 ft., whips.....	9 00	85 00
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Sugar or Hard (saccharum) 50-70 ft.

One of our most beautiful shade trees. Foliage turns bright orange, sometimes scarlet in Autumn.

90 8 to 10 ft.....	25 00	225 00
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ORNAMENTAL and SHADE TREES—(Continued)**MULBERRY (MORUS)****Russian (alba tatarica) 50-60 ft.**

Small light green leaves; greenish-yellow bark. Fruit varies from white to deep violet, very sweet. A very hardy native tree.

		Per 10	Per 100	Per 1000
1250	4 to 5 ft., branched	\$ 2 90	\$25 00	\$220 00
1300	5 to 6 ft., "	4 00	35 00	300 00
100	6 to 8 ft., "	6 50	60 00	-----

POPLAR (populus)**bolleana 60-80 ft.**

Leaves are glossy green above, silvery beneath. A favorite with landscape gardeners to break the outline of most other trees.

		Per 10	Per 100
30	6 to 8 ft.	11 00	100 00

Lombardy 50-60 ft.

Rapid, spire-like growth; fine for screens and formal planting.

		Per 10	Per 100	Per 1000
3000	8 to 10 ft., " "	6 00	55 00	500 00
2000	1¼ to 1½ in. " "	7 00	65 00	600 00

PRUNUS (PLUM) Tree and bush forms.**cistena (Hansen's Purple-leaved Plum) (Bush Form)**

Rich purplish foliage; reddish-brown branches. Very hardy.

(On plum roots) 4-5 ft.

		Per 10	Per 100
100	18 to 24 in.	5 50	50 00
130	2 to 3 ft.	7 00	65 00
80	2 to 3 ft., whips	5 50	50 00

(On peach roots) 4-5 ft.

240	12 to 18 in.	2 90	25 00
60	18 to 24 in.	4 50	40 00

Newport (Purple-leaved Plum) (Tree Form) (On peach roots) 15-18 ft.

A large shrub with upright growth; purplish-red foliage. Hardy.

		Per 10	Per 100	Per 1000
110	18 to 24 in.	4 50	40 00	-----
700	2 to 3 ft.	6 00	55 00	500 00
400	3 to 4 ft.	7 50	70 00	650 00
100	5 to 6 ft. (On Plum)	14 00	125 00	-----

Persica (Flowering Peach on peach roots) (Tree form) 15-18 ft.

	2 to 3 ft.	4 50	40 00	350 00
	3 to 4 ft.	5 50	50 00	450 00
	4 to 5 ft.	7 50	70 00	650 00
	5 to 6 ft.	9 00	85 00	800 00

	2/3'	3/4'	4/5'	5/6'
Cardinal, Double red.	270	450	440	840
Iceberg, Snow-white.	250	470	360	140
Peppermint Stick, Bicolor, red and white.	---	70	170	140
Pink Charming, Double pink.	670	850	770	550

ORNAMENTAL and SHADE TREES—(Continued)

PRUNUS (PLUM)—Continued.

pissardi rosea (On peach roots) 10 ft.

Deep bronzy purple foliage, holding its deep purplish red shade, almost black throughout the summer. Completely covered with pink single flowers in spring. A new introduction recently imported from England.

		Per 10	Per 100	Per 1000
30	18 to 24 in.....	\$ 7 00	\$65 00	\$-----
170	2 to 3 ft.....	8 50	80 00	-----
80	3 to 4 ft.....	11 00	100 00	-----

pissardi veitchi (On peach roots) 15 ft.

Completely covered in early spring with large clusters of double pink blooms similar to flowering cherry. Bronze colored foliage. Very hardy.

70	18 to 24 in.....	7 00	65 00	-----
430	2 to 3 ft.....	8 50	80 00	750 00
360	3 to 4 ft.....	11 00	100 00	900 00
30	4 to 5 ft.....	13 00	120 00	-----

tomentosa, Orient Cherry (#63) (On plum roots)

An improved variety, producing an abundance of blooms. Self fertile, produces an abundance of fruit. Flesh of fruit is meaty, juicy with a pleasant subacid flavor. Excellent for eating fresh or for Jams and Jelly.

40	4 to 5 ft.....	8 00	75 00	-----
480	5 to 6 ft.....	10 00	90 00	850 00

triloba (Double Flowering Plum) 8-10 ft.

Per 10 Per 100 Per 1000

Known also as the "Rose Tree of China." One of the finest shrubs; completely covered with pink rose-like flowers in April and May.

(On Plum roots)

100	12 to 18 in.....	\$ 4 00	\$ 35 00	\$-----
600	18 to 24 in.....	5 50	50 00	450 00
700	2 to 3 ft.....	7 00	65 00	600 00

(On Peach roots)

240	12 to 18 in.....	2 90	25 00	220 00
870	18 to 24 in.....	4 50	40 00	350 00
1700	2 to 3 ft.....	6 00	55 00	500 00

RED BUD (Cercis canadensis) 20-30 ft.

Produces an abundance of reddish-pink flowers in early Spring; forms a broad head of glossy, heart-shaped leaves that turn pale yellow in Fall.

1700	18 to 24 in.....	4 00	35 00	300 00
650	2 to 3 ft.....	5 50	50 00	450 00
30	5 to 6 ft.....	14 00	125 00	-----
120	6 to 8 ft.....	17 50	160 00	-----

ORNAMENTAL and SHADE TREES—(Continued)

WILLOW (Salix)

babylonica 40-50 ft.

A large graceful Willow; bright green foliage, long wavy branches.

		Per 10	Per 100	Per 1000
700	2 to 3 ft.-----	\$ 2 40	\$ 20 00	\$180 00
400	3 to 4 ft.-----	2 90	25 00	220 00
550	4 to 5 ft.-----	4 00	35 00	300 00
600	5 to 6 ft.-----	6 50	60 00	550 00

Niobe (Golden Weeping) 30-35 ft.

A hardy, graceful weeping tree; light green leaves, golden yellow bark.

100	2 to 3 ft.-----	2 40	20 00	-----
100	3 to 4 ft.-----	2 90	25 00	-----
700	4 to 5 ft.-----	4 00	35 00	300 00

Pussy (discolor) 20-25 ft.

Very popular for its gray catkins in early Spring. Small, narrow leaves.

400	2 to 3 ft.-----	3 50	30 00	270 00
1000	3 to 4 ft.-----	4 50	40 00	350 00
600	4 to 5 ft.-----	6 50	60 00	550 00
320	5 to 6 ft.-----	10 00	90 00	800 00

Wisconsin (blanda) 30-40 ft.

The popular green barked weeping willow. The effect of its graceful, drooping branches cannot be matched. Hardy.

350	2 to 3 ft.-----	2 40	20 00	180 00
170	3 to 4 ft.-----	2 90	25 00	-----
1400	4 to 5 ft.-----	4 00	35 00	300 00
2000	5 to 6 ft.-----	6 50	60 00	550 00
270	6 to 8 ft.-----	10 00	90 00	-----
50	8 to 10 ft.-----	12 00	110 00	-----

ORNAMENTAL SHRUBS

Our shrubs are bushy and well rooted, twice transplanted; many of them are graded stronger than is required by the American Nurseryman's Association.

The month indicates the average blooming season; size denotes average height of shrub at maturity if left unsheared.

SHRUBS ARE TIED 9/12 and 12/18 in., 25; 18/24 in., and 2/3 ft., 10; 3/4 and 4/5 ft., 5 per bundle.

ABELIA

Per 10 Per 100 Per 1000

Grandiflora

A broadleaved evergreen shrub, glossy green leaves on purplish-red stems. Pinkish white trumpet shaped flowers during the summer. Not hardy in northern areas.

450 12 to 18 in. ----- \$2 90 \$ 25 00 \$-----

ALMOND (AMYGDALUS) (PRUNUS)

Pink Flowering (glandulosa) April-May. 5-6 ft.

A beautiful small shrub, bearing an abundance of small, double, rose-like flowers, closely set upon twigs before the leaves appear.

750 12 to 18 in.----- 2 90 25 00 200 00

ALTHEA (HIBISCUS SYRIACUS) August-September. 10-12 ft.

—Write for Special Prices On Quantity Lots—

Large desirable shrub for group and specimen planting, also used for screens.

12 to 18 in.----- 1 10 9 00 80 00
18 to 24 in.----- 1 80 15 00 125 00
2 to 3 ft.----- 2 40 20 00 175 00
3 to 4 ft.----- 2 90 25 00 225 00

	12/18"	18/24"	2/3'	3/4'
Anemoneflorus, double bright pink -----	400	1000	-----	-----
Boule de Feu, double purplish-red -----	700	7500	4200	2500
Lucy, very double red -----	350	1700	370	940
Totus Albus, single white -----	500	2500	120	380

BARBERRY (BERBERIS)

Red Leaved Japanese (thunbergi atropurpurea)

Warm bronzy-red foliage, intensified in summer and fall. A brilliant accent shrub; a sunny exposure is necessary for color.

Per 10 Per 100 Per 1000

50 9 to 12 in.----- \$ 1 90 \$ 16 00 \$-----
200 12 to 15 in.----- 2 40 20 00 -----
200 18 to 24 in.----- 4 00 35 00 -----

thunbergi 4-5 ft.

Hardy shrub, splendid for hedges or massing. Delicate yellow flowers, brilliant fall foliage followed by scarlet berries in winter.

350 12 to 15 in.----- 1 80 15 00 120 00
1400 15 to 18 in.----- 2 20 19 00 160 00
700 18 to 24 in. ----- 2 50 22 00 200 00
2500 2 to 2½ ft. ----- 3 50 30 00 270 00

TRUE HEDGE COLUMNBERRY (thunbergi erecta) Plant Patent No. 110. 4-5 ft.

Need not be pruned; extremely formal in shape, more dense, more upright and more richly foliaged than Thunbergi.

	Retail Resale Price				Wholesale Prices Net		
	Each	Per 5	Per 25	Per 100	Per 10	Per 100	Per 1000
400 18 to 24 in. -----	\$ 90	\$3 50	\$15 00	\$55 00	\$4 50	\$37 00	\$340 00
600 2 to 2½ ft. -----	1 10	4 25	18 75	70 00	5 50	45 00	420 00

ORNAMENTAL SHRUBS—(Continued)

BUTTERFLY BUSH (BUDDLEIA) Perennial Shrub. July-September. 4-5 ft.			
Farquhar, 5-6 ft.		Per 10	Per 100 Per 1000
Lavender pink flowers with orange center; fragrant.			
580 No. 1	\$ 2 90	\$ 25 00	\$ -----

BUTTERFLY BUSH (BUDDLEIA) Newest Varieties.

Hartwegi, 4-5 ft. Flowers bright lavender, foliage dark green. Compact.			
380 No. 1	3 20	28 00	-----

PATENTED BUDDLEIA
EMPIRE BLUE

Patent No. 557

An incomparable blue Buddleia. A delightful shade of blue combining an Aster blue with delicate lilac tone.

	Per 10	Per 100	Per 1000
130 No. 1. Dormant, field grown plants.	\$ 4 00	\$35 00	\$ -----

(Retail 75¢ each, \$7.50 per doz.)

WHITE PROFUSION

Patent No. 786

A new dwarf Buddleia, growing not over 3 feet tall and about the same in diameter. Forms a green mound literally covered with a hundred or more short-stemmed flower spikes of pure white. Blooms from early August until October. Perfect for perennial border.

	Per 10	Per 100	Per 1000
570 Medium. Dormant, field grown plants.	\$ 4 00	\$35 00	\$ -----

(Retail \$1.00 each, \$8.50 per doz.)

CEPHALANTHUS occidentalis (Button Bush) July. 5-6 ft.

A showy native shrub, particularly desirable in damp soils. Clean glossy foliage and spherical balls of small white flowers.

	Per 10	Per 100	Per 1000
100 12 to 18 in.	\$ 2 10	\$18 00	\$ -----
400 18 to 24 in.	2 90	25 00	-----
650 2 to 3 ft.	4 00	35 00	-----

CORNUS (DOGWOOD)**alba siberica (Coral Dogwood)** April-May. 8-10 ft.

Stout, erect, bright red branches; white flowers, porcelain-blue berries.

	2 10	18 00	160 00
1400 12 to 18 in.			
230 18 to 24 in.	2 90	25 00	-----

Florida (White Flowering Dogwood) July. 12-15 ft.

Large spreading shrub or small tree, produces large single white flowers; red fruit in autumn. Glossy green foliage turns to many shades of red in fall.

	11 00	100 00	-----
200 2 to 3 ft.			
450 3 to 4 ft.	14 00	125 00	-----

Florida Rubra (Red Flowering Dogwood) May. 12-15 ft.

Beautiful single, deep pink flowers give this well shaped tree an unusual effect. Blooms in early spring. Thrives in sun or partial shade.

	14 00	125 00	-----
90 18 to 24 in. Bare root.			
250 2 to 3 ft. Wrapped in moss and burlap.	22 00	200 00	-----
450 3 to 4 ft. " " " " "	35 00	325 00	-----

stolonifera lutea (Gold Twig Dogwood) 6-8 ft.

A striking yellow-branched form of Stolonifera; of high decorative value.

	4 00	35 00	-----
270 2 to 3 ft.			
40 3 to 4 ft.	5 00	45 00	-----

CRANBERRY, Highbush (See Viburnum)**CREPE MYRTLE (Lagerstroemias Indica)** 15-20 ft.

The summer blooming shrub of the South. Attractive deep green leaves and masses of crepe-like flowers from July through September.

	3 50	30 00	-----
2 to 3 ft.			
3 to 4 ft.	4 50	40 00	-----
		2/3'	3/4'
Pink		20	
Purple		50	30
Watermelon Red		250	50
White		30	20

ORNAMENTAL SHRUBS—(Continued)

DEUTZIA**Pride of Rochester. May. 8-10 ft.**

	Per 10	Per 100	Per 1000
A tall, broad-topped bush, double white flowers tinged pink.			
350 2 to 3 ft.	\$ 3 20	\$ 28 00	\$250 00
140 3 to 4 ft.	4 50	40 00	-----

ELDER (SAMBUCUS)**Golden American (canadensis aurea) June-July. 8-10 ft.**

Hardy, rapid-growing shrub; broad, golden-yellow leaves, tiny white blooms.

1500 12 to 18 in.	2 10	18 00	-----
500 18 to 24 in.	2 90	25 00	-----

FORSYTHIA (GOLDEN BELL)**fortunei (Fortune Forsythia) April. 6-8 ft.**

A large, upright shrub with slightly drooping branches, golden yellow flowers.

200 3 to 4 ft.	5 00	45 00	400 00
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intermedia spectabilis (Showy Border Forsythia) April. 6-8 ft.

Hardest of all Forsythias. Very profuse bloomer; rich yellow flowers.

200 2 to 3 ft.	4 00	35 00	300 00
80 3 to 4 ft.	5 00	45 00	400 00

HONEYSUCKLE (LONICERA)**Fragrantissima, Winter Honeysuckle.**

Fragrant flowers followed by red fruit. Semi-hardy.

750 12 to 18 in.	2 10	18 00	-----
500 18 to 24 in.	2 90	25 00	-----

grandiflora rosea (Bride Honeysuckle) April-May. 12-15 ft.

Rose-pink flowers in abundance, green rounded foliage. Upright growth.

570 12 to 18 in.	2 10	18 00	160 00
500 18 to 24 in.	2 90	25 00	220 00
500 2 to 3 ft.	4 00	35 00	-----
400 3 to 4 ft.	5 00	45 00	400 00

morrowi (Morrow Honeysuckle) May-June. 5-6 ft.

Yellowish-white flowers, followed by red fruit. Broad-spreading growth.

1000 12 to 18 in.	2 10	18 00	160 00
900 18 to 24 in.	2 90	25 00	220 00
40 2 to 3 ft.	4 00	35 00	-----

Tatarian Pink (tatarica rosea) April-May. 10-12 ft.

The well-known pink-flowering Honeysuckle; hardy vigorous grower; red fruit; popular.

1000 12 to 18 in.	2 10	18 00	160 00
2000 18 to 24 in.	2 90	25 00	220 00
200 2 to 3 ft.	4 00	35 00	-----
500 3 to 4 ft.	5 00	45 00	400 00
1000 4 to 5 ft.	5 50	50 00	450 00

Tatarian Red (tatarica rubra) April-May 10-12 ft.

We offer the improved strain (Zabeli), the true red Honeysuckle. Attractive dark green foliage; a splendid variety.

1300 12 to 18 in.	2 10	18 00	160 00
500 18 to 24 in.	2 90	25 00	220 00

Tatarian White (tatarica alba) April-May. 10-12 ft.

White to creamy-white flowers; upright growth. Red berries.

350 12 to 18 in.	2 10	18 00	160 00
50 18 to 24 in.	2 90	25 00	-----
150 2 to 3 ft.	4 00	35 00	-----
550 3 to 4 ft.	5 00	45 00	400 00

HYDRANGEA**arborescens grandiflora (Hills of Snow) June-July. 4-5 ft.**

Large flat heads of double snow-white flowers which remain for four or five weeks; large rounded leaves. Thrives in shaded locations.

500 12 to 18 in.	2 90	25 00	220 00
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paniculata grandiflora (Peegee Hydrangea) 6-8 ft.

Enormous trusses of double white flowers changing in late Autumn to shades of pink and bronze. Responds to close pruning and fertilization.

900 12 to 18 in.	2 90	25 00	220 00
400 18 to 24 in.	4 00	35 00	320 00
3500 2 to 3 ft.	5 50	50 00	450 00

ORNAMENTAL SHRUBS—(Continued)

HYPERICUM aureum (St. John's Wort) July-August. 3-4 ft.

Stiff, dense habit; foliage bluish; flowers golden yellow. Prefers moist soil. Will endure part shade.

	Per 10	Per 100	Per 1000
400 12 to 18 in.	\$ 2 50	\$ 22 00	\$200 00
190 18 to 24 in.	3 50	30 00	-----

KOLKWITZIA amabilis, (Beauty Bush.) 4-6 ft.

A mass of arching sprays of pale pink, tubular flowers. Very hardy.

90 12 to 18 in.	3 50	30 00	-----
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LILAC (SYRINGA)**Common Purple (vulgaris) April-May. 12-15 ft.**

The standard old-fashioned garden variety; single bluish-purple flowers. Thrives well in partial shade.

300 18 to 24 in.	3 20	28 00	250 00
540 2 to 3 ft.	4 00	35 00	300 00

Common White, (vulgaris alba.) 12-15 ft.

Hardy, vigorous shrub. Attractive foliage, single white flowers.

300 12 to 18 in.	2 90	25 00	-----
200 18 to 24 in.	4 50	40 00	-----

Persian Purple (persica) April-May. 8-10 ft.

Slender arching branches, small leaves and lilac flowers.

250 12 to 18 in.	2 50	22 00	200 00
50 18 to 24 in.	3 50	30 00	-----
700 2 to 3 ft.	4 50	40 00	350 00
500 3 to 4 ft.	5 50	50 00	450 00

rothomagensis (chinensis) April-May. 8-10 ft.

Upright, vigorous growth, slender branches; reddish-lilac flowers in broad panicles. Free-flowering and hardy.

	Per 10	Per 100	Per 1000
400 12 to 18 in.	\$ 2 50	\$ 22 00	\$200 00
50 18 to 24 in.	3 50	30 00	-----
1200 2 to 3 ft.	4 50	40 00	350 00
1150 3 to 4 ft.	5 50	50 00	450 00

French. Named varieties. April-May. 8-15 ft.

	Per 10	Per 100	Per 1000
12 to 18 in.	\$4 00	\$35 00	-----
18 to 24 in.	5 50	50 00	-----
2 to 3 ft.	7 00	65 00	-----

	d-Double	s-Single	12/18"	18/24"	2/3'
Adelaide Dunbar, d, violet-red.			25	30	10
Belle de Nancy, d, rose, white center.			---	30	180
Chas. X, s, reddish purple.			---	150	190
Congo, s, dark wine-red.			---	1100	800
Edw. Andre, d, clear rose.			---	20	---
Hugo Koster, s, lilac tinged red.			40	20	---
Jean Mace, d, bluish-mauve.			40	190	10
Jules Simon, d, dark purplish blue.			---	60	---
Ludwig Spaeth, s, dark purple.			---	90	---
Marc. Micheli, d, lavender-blue.			30	---	30
Michel Buchner, d, pale lilac.			---	30	20
Mme. Casimir Perier, d, white.			---	60	80
Rhum Von Horstenstein, s, reddish purple.			---	20	---
Victor Lemoine, d, rosy pink.			---	50	---

ORNAMENTAL SHRUBS—(Continued)

PHILADELPHUS (MOCK ORANGE, SYRINGA) Per 10 Per 100 Per 1000

coronarius (Sweet Mock Orange) May-June. 8-10 ft.

The old-fashioned sweet-scented Mock Orange; free-flowering and vigorous.

1400	12 to 18 in.	\$ 1 90	\$ 16 00	\$140 00
950	18 to 24 in.	2 60	22 00	200 00

PHILADELPHUS (MOCK ORANGE, SYRINGA)

grandiflorus (Scentless Mock Orange) May-June. 10-12 ft.

Large scentless white flowers in clusters; branches somewhat straggling.

1250	12 to 18 in.	1 90	16 00	140 00
1100	18 to 24 in.	2 60	22 00	200 00
40	2 to 3 ft.	3 50	30 00	-----
50	3 to 4 ft.	4 50	40 00	-----

Virginal. May-June. 7-8 ft.

Semi-double, fragrant white flowers, much larger than any other variety. Blooms intermittently all summer.

150	12 to 18 in.	3 50	30 00	-----
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PHYSOCARPUS (NINEBARK)

opulifolius (Common Ninebark) May-June. 8-10 ft.

A fine massing shrub; dark green foliage, creamy white flowers followed by attractive reddish seed pods. Does well in partial shade.

340	12 to 18 in.	2 10	18 00	160 00
650	18 to 24 in.	2 90	25 00	220 00
220	2 to 3 ft.	4 00	35 00	-----
60	3 to 4 ft.	5 00	45 00	-----

opulifolius aureus (Goldleaf Ninebark) May-June. 8-10 ft.

Wide spreading growth, but formal outline. Foliage, bright yellow changing to golden brown in summer. White flowers, red seed pods.

400	12 to 18 in.	2 10	18 00	-----
400	18 to 24 in.	3 20	28 00	-----
40	2 to 3 ft.	4 00	35 00	-----
100	3 to 4 ft.	5 00	45 00	-----
60	4 to 5 ft.	6 00	55 00	-----

opulifolius nana (Dwarf Ninebark) May-June. 4-5 ft.

A valuable, hardy, low-growing shrub. Dwarf form, dense growth. White flowers followed by small red seed pods.

3000	12 to 18 in.	2 10	18 00	140 00
1800	18 to 24 in.	2 90	25 00	200 00
350	2 to 3 ft.	4 00	35 00	300 00
170	3 to 4 ft.	5 00	45 00	-----

PRIVET (LIGUSTRUM)

Amur River North (amurense) June. 8-12 ft.

Vigorous, upright growth; white flowers followed by black berries. Hardy.

		Per 100	Per 1000
1200	2 to 3 ft., 4 canes and up	\$14 00	\$140 00
5000	3 to 4 ft., 4 " " "	16 00	140 00

ORNAMENTAL SHRUBS—(Continued)

PRIVET (LIGUSTRUM)—(Continued)

Per 100 Per 1000

ibolium (Hardy California) June-July. 6-8 ft.

Very similar to, but much hardier than California Privet, not as evergreen.

300	12 to 18 in., 3 canes and up	\$ 5 60	\$ 50 00
2000	2 to 3 ft., 4 " " "	9 00	80 00
400	3 to 4 ft.	12 00	100 00

PRUNUS, Ornamental Plums. (See Deciduous Trees)

RHUS (SUMAC)

Per 10 Per 100 Per 1000

Cut Leaf (*typhina laciniata*) 8-10 ft.

Finely dissected leaves that turn a brilliant red in Fall. Very ornamental.

2800	12 to 18 in.	\$ 2 10	\$ 18 00	\$160 00
1100	18 to 24 in.	3 00	25 00	220 00
1950	2 to 3 ft.	4 00	35 00	300 00

Smooth (*glabra*) 6-10 ft.

Dwarf habit; rich Autumn coloring; red seeds in clusters.

150	12 to 18 in.	1 70	14 00	-----
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Staghorn (*typhina*) June-July. 12-20 ft.

Flowers green, borne in dense terminal panicles; red berries and foliage in Autumn. Thrives in poor, rocky soil.

1400	12 to 18 in.	1 90	16 00	-----
1300	18 to 24 in.	2 50	22 00	200 00
1900	2 to 3 ft.	3 20	28 00	250 00
150	3 to 4 ft.	4 50	40 00	-----

SNOWBALL (See *Viburnum*)

SPIREA

Anthony Waterer. June-September. 3-3½ ft.

Very dwarf; free-flowering. Produces flat rose-red flower heads.

1100	9 to 12 in.	2 10	18 00	160 00
1000	12 to 15 in.	2 90	25 00	220 00

arguta (Garland) April-May. 5-6 ft.

Small, fern-like foliage; slender branches; minute pure white flowers.

1300	12 to 18 in.	2 10	18 00	160 00
1900	18 to 24 in.	2 90	25 00	220 00
1400	2 to 3 ft.	4 00	35 00	300 00
20	3 to 4 ft.	5 00	45 00	-----

billiardi Pink. July-September. 5-6 ft.

Strong growth. Dull green foliage, dense panicles of lilac-pink flowers.

4000	9 to 12 in.	1 20	10 00	80 00
6400	12 to 18 in.	1 60	14 00	125 00
4200	18 to 24 in.	2 40	20 00	175 00
4600	2 to 3 ft.	3 20	28 00	250 00
350	3 to 4 ft.	4 00	35 00	300 00

bumalda superba. 3-5 ft.

Dwarf growth, vigorous and very hardy; large flat heads of rose-pink flowers.

300	12 to 18 in.	2 10	18 00	160 00
310	18 to 24 in.	2 90	25 00	220 00

ORNAMENTAL SHRUBS—(Continued)

SPIREA—(Continued)

freobeli (Froebel) May-June. 3-4 ft.

Per 10 Per 100 Per 1000

Dwarf growth, vigorous and very hardy; large flat heads of rose-pink flowers. Foliage turns brilliant red in Autumn.

450	12 to 18 in.	\$ 2 10	\$ 18 00	\$160 00
800	18 to 24 in.	2 90	25 00	220 00
1300	2 to 2½ ft.	3 50	30 00	270 00

thunbergi (Thunberg Spirea) April. 3-4 ft.

Light green foliage; pure white flowers. Resembles *Arguta* but branches are arched; the plant is more dwarf. Foliage turns to orange-red in Autumn.

1200	12 to 18 in.	2 10	18 00	160 00
1500	18 to 24 in.	2 90	25 00	220 00
1000	2 to 2½ ft.	3 50	30 00	270 00

vanhoutte April-May. 5-6 ft.

A most desirable shrub for hedges, base planting and mass planting; gracefully arching branches; fragrant white flowers in clusters.

1000	12 to 18 in.	1 40	12 00	100 00
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SYMPHORICARPOS (SNOWBERRY)

chenaulti (Improved Coralberry) June-July. 4-5 ft.

Small white fruit with red dots; a hybrid originating in the Arnold Arboretum.

1700	12 to 18 in.	1 90	16 00	140 00
1700	18 to 24 in.	2 50	22 00	200 00
450	2 to 3 ft.	3 50	30 00	270 00
40	3 to 4 ft.	4 50	40 00	-----

racemosus (Common White Snowberry) June-July. 3-5 ft.

A fine general-purpose shrub; adapted to shady locations; maintains a good green foliage. Pink flowers, white berries.

30	12 to 18 in.	1 70	14 00	-----
650	18 to 24 in.	2 10	18 00	160 00
200	2 to 3 ft.	2 90	25 00	220 00

vulgaris (Indian Currant; Coralberry) June-July. 4-6 ft.

A hardy native shrub; pink flowers, purplish-red berries in bunches.

3800	12 to 18 in.	1 70	14 00	120 00
2770	18 to 24 in.	2 10	18 00	160 00
6000	2 to 3 ft.	2 90	25 00	220 00
40	3 to 4 ft.	4 00	35 00	-----

TAMARIX

12 to 18 in.	1 60	14 00	125 00
18 to 24 in.	2 40	20 00	175 00
2 to 3 ft.	3 10	27 00	225 00
3 to 4 ft.	4 00	35 00	300 00

12/18" 18/24" 2/3' 3/4'

africana. May. 10-12 ft. Slender spreading branches, reddish-brown bark, pink flowers.

1100 2300 4500 ---

amurensis (Amur Tamarix) August-September. 8-10 ft.

Purple branches, graceful foliage. Thrives in dry soil

350 600 500 100

hispida (Kashgar Tamarix) August-September. 12-15 ft.

Slow, compact, upright growth; long panicles of bright pink flowers.

880 800 350 180

tetandra purpurea. May-June. 10-12 ft. Vigorous growth, bright green foliage, pink flowers. Very hardy.

1200 2000 3000 200

ORNAMENTAL SHRUBS—(Continued)

VIBURNUM

Per 10 Per 100 Per 1000

dentatum (Arrowwood) May. 10-12 ft.

A splendid massing shrub, beautiful glossy green foliage, greenish-white flowers; bluish-black berries. Withstands considerable shade.

20	12 to 18 in.	\$ 2 10	\$ 18 00	\$.-----
40	2 to 3 ft.	4 00	35 00	-----

opulus, European Cranberrybush (Highbush Cranberry). 10-12 ft.

Well known hardy shrub, single white flowers in April-May, followed by scarlet fruit hanging on until spring.

150	12 to 18 in.	2 90	25 00	-----
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opulus sterilis (Common Snowball) April-May. 10-12 ft.

Well known and justly popular. Flowers appear in numerous compact balls.

600	9 to 12 in.	2 10	18 00	-----
350	12 to 18 in.	3 20	28 00	-----

VITEX macrophylla (Big-leaved Chaste Tree) July to frost. 5-6 ft.

Semi-dwarf flowers lavender-blue. Hardy.

250	12 to 18 in.	2 60	22 00	-----
300	18 to 24 in.	3 20	28 00	-----
560	2 to 3 ft.	4 00	35 00	320 00
380	3 to 4 ft.	5 00	45 00	-----

WEIGELA (DIERVILLA)

Eva Rathke (Red Flowering Weigela) May-June. 4-5 ft.

Attractive foliage clear ruby-red trumpet-shaped flowers over long season.

2250	12 to 18 in.	3 20	28 00	250 00
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rosea (Pink Weigela) May-June. 6-8 ft.

Erect, compact growth; fine rose-colored flowers. Used extensively.

1900	12 to 18 in.	2 10	18 00	160 00
650	18 to 24 in.	2 90	25 00	220 00
250	2 to 3 ft.	4 00	35 00	300 00
700	3 to 4 ft.	5 00	45 00	400 00

Hendersoni. May-June. 6-8 ft.

One of the hardier varieties of Weigela. A splendid shrub; produces quantities of light crimson flowers.

900	12 to 18 in.	2 10	18 00	160 00
50	2 to 3 ft.	4 00	35 00	-----

Variegated (Variegated-leaf Weigela) May-June. 4-5 ft.

Dwarf, leaves margined creamy white; flowers pink. One of the most useful variegated shrubs.

750	12 to 18 in.	2 60	22 00	-----
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CLIMBING VINES

Tied, 2 year Medium, 25; 2 year No. 1, 10; 3 year, 5 per bundle.

AMPELOPSIS

Per 10 Per 100 Per 1000

engelmanni (Engelmann Creeper) 30-40 ft.

Self-clinging woodbine. Very hardy. Dark green five-lobed leaves turning brilliant crimson in Fall. Blue-black fruit.

1400	2 year, Medium	\$ 2 40	\$ 20 00	\$180 00
1300	2 " No. 1	2 90	25 00	220 00

veitchi (Tricuspidata) Boston Ivy. 40-50 ft.

Dark green, usually three-lobed leaves; will cling perfectly to the smoothest surfaces. Changes to shades of yellow, orange and scarlet in Autumn. When once established, it is quite hardy.

500	2 year, Medium	2 40	20 00	-----
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BIGNONIA

radicans (Trumpet Creeper) July-August. 20-30 ft.

A robust, woody fern-leaf vine; twining tightly with numerous roots along its stems; trumpet-shaped orange-scarlet flowers in clusters.

5000	2 year, Medium	2 40	20 00	180 00
2000	2 " No. 1	2 90	25 00	220 00

HONEYSUCKLE (LONICERA)

Gold Flame. May until Frost. 15-20 ft.

Flowers flame-coral, inside clear yellow, produced in clusters.

3500	2 year, Medium	3 70	32 00	280 00
1000	2 " No. 1	4 50	40 00	350 00

Hall's Japan (Japonica Halliana) July-October. 20-25 ft.

Fragrant, pure white flowers, changing to yellow; almost evergreen.

4500	2 year, Medium	1 80	15 00	130 00
500	2 " No. 1	2 20	19 00	-----

Scarlet Trumpet (Sempervirens) May-August. 10-25 ft.

A half-climbing shrub; dark green foliage, orange-scarlet tubular flowers.

4500	2 year, Medium	2 40	20 00	180 00
3200	2 " No. 1	2 90	25 00	220 00

Summer King (Heckrottii) May until Frost. 15-20 ft.

Large fragrant flame-red trumpets lined with gold and rose are produced in immense showy clusters; blooming from early summer until frost. The blooms are produced the same year the plant is set out. Foliage, dark blue-green, disease and pest-free.

4500	2 year, Medium	3 70	32 00	280 00
1500	2 " No. 1	4 20	40 00	350 00

POLYGONUM auberti

(Silver Lace Vine; Chinese Fleecevine) July-September. 25-30 ft.

A fast-growing, twining vine; light green leaves, fleecy white flowers.

800	2 year, No. 1	3 50	30 00	-----
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WISTERIA

American (frutescens) June-July. 20-25 ft.

Dark green foliage, short racemes of lilac-purple flowers. Rapid growth.

900	2 year, Medium	2 40	20 00	170 00
250	2 " No. 1	2 90	25 00	220 00

CLIMBING VINES—(Continued)

WISTERIA—(Continued)

Chinese Blue (sinensis) May. 30-40 ft.					Per 10	Per 100	Per 1000
Long, attractive drooping clusters of pea-shaped flowers.							
620	2 year, Medium	-----			\$ 2 40	\$ 20 00	\$180 00
30	2 " No. 1	-----			2 90	25 00	-----
Chinese White (sinensis alba) May. 30-40 ft.							
White form of above.							
600	2 year, Medium	-----			2 40	20 00	180 00
230	2 " No. 1	-----			2 90	25 00	-----
Multijuga Pink, Japanese Wisteria. May. 40-50 ft.							
Beautiful pink flowers in long clusters.							
130	2 year, Medium Grafts	-----			3 50	30 00	-----
390	2 " No. 1	-----			4 50	40 00	350 00
Multijuga White, Japanese White Wisteria. May. 30-40 ft.							
Pure white flowers in long clusters. Vigorous, rampant grower.							
20	2 year, Medium Grafts	-----			3 50	30 00	-----
160	2 " No. 1	-----			4 50	40 00	-----

HEDGING

Lighter grade than regular shrub grade; strong hedging grade.

Lighter grade than regular shrub grade, strong heading grade.		Per 100	Per 1000
BUCKTHORN CATHARTICA, <i>Rhamnus cathartica</i>			
2400	6 to 12 in.....	\$ 3 00	\$ 25 00
2500	12 to 18 in.....	4 00	35 00
1250	18 to 24 in., 2 year.....	5 60	50 00
1050	2 to 3 ft. " " -----	7 50	65 00
350	3 to 4 ft., " " -----	9 00	80 00
CARAGANA arborescens (Siberian Pea Tree)			
1250	6 to 12 in.....	2 40	20 00
200	12 to 18 in.....	3 20	28 00
500	18 to 24 in.....	4 50	40 00
600	2 to 3 ft.....	6 50	55 00
MULBERRY (MORUS) Russian, tatarica			
3000	6 to 12 in.....	1 20	10 00
200	12 to 18 in.....	1 90	16 00
500	3 to 4 ft.....	5 60	50 00
PRIVET See Ornamental Shrubs.			
RUSSIAN OLIVE (<i>Elaeagnus angustifolia</i>)			
200	6 to 12 in.....	2 10	18 00
2000	12 to 18 in.....	3 20	28 00
3500	18 to 24 in.....	4 50	40 00
1400	2 to 3 ft.....	6 50	60 00

NOTE. HONEYSUCKLE Heckrotti makes a novel and attractive hedge when planted in rows and kept sheared; blooms all summer. See Climbing Vines for further description and prices.

EVERGREENS

(Balled and Burlaped)

Our Evergreens are all grown at good distance for symmetrical development, are top pruned into handsome, shapely trees that will transplant successfully if given average care.

Evergreens that are selected and marked by customers in the Nursery will carry 20 percent additional charge above the following listed price.

All evergreens sold with the distinct understanding that if they arrive in good condition and are accepted, our responsibility ceases.

Customers desiring the tops of Evergreens wrapped in burlap will be charged at cost for the extra labor and burlap used.

ABIES (FIR)

douglasi (Douglas) (Pseudotsuga douglasi) 70-80 ft. Per 10 Per 100

Bluish-green foliage. One of our most important Evergreen trees. Stands crowding well, considerable shade, and responds to trimming.

2 to 3 ft.	\$32 50	\$300 00
3 to 4 ft.	42 50	400 00
4 to 5 ft.	60 00	550 00
5 to 6 ft.	80 00	750 00

VARIETIES OF JUNIPER CHINENSIS

JUNIPERUS (JUNIPER)

chinensis (Chinese) 15-20 ft.

Sharp, prickly needles, light green with a slightly bluish cast. Will thrive anywhere except in heavy rich or poorly drained soil.

	Per 10	Per 100
2 to 2½ ft.	\$25 00	\$225 00
2½ to 3 ft.	32 50	300 00
3 to 3½ ft.	40 00	375 00
3½ to 4 ft.	47 50	450 00
4 to 5 ft.	60 00	575 00

chinensis pfitzeriana (Pfitzer Juniper) 6-8 ft. spread. Per 10 Per 100

Dark gray-green foliage; graceful low, irregular spreading form. Remarkably adaptable to various conditions and soils. Very hardy.

SOLD OUT

chinensis pfitzeriana Kallay's Compacta (Compact Pfitzer Juniper)

Slower-growing and more compact than the common Pfitzer Juniper.

SOLD OUT

chinensis pyramidalis glauca (Blue Columnar Juniper) 15-20 ft.

Attractive glaucous blue color; sharp prickly leaves. Does well in hot dry locations, is also immune to severe cold.

2½ to 3 ft.	\$37 50	\$350 00
3 to 3½ ft.	42 50	400 00
4 to 5 ft.	60 00	575 00
5 to 6 ft.	75 00	700 00

chinensis pyramidalis Green (Green Columnar Juniper) 15-20 ft.

The description of the blue form applies also to the green. However, the color is bright green with some foliage variations.

2½ to 3 ft.	37 50	350 00
3 to 3½ ft.	42 50	400 00
3½ to 4 ft.	50 00	475 00
4 to 5 ft.	60 00	575 00
5 to 6 ft.	75 00	700 00

EVERGREENS—(Continued)

VARIETIES OF MISCELLANEOUS JUNIPERS

communis hibernica (Irish Juniper) 6-8 ft.

Very symmetrical in outline; glaucous green foliage. A distinct and beautiful dwarf-growing tree.

	Per 10	Per 100
2 to 3 ft.	\$19 00	\$175 00
3 to 4 ft.	25 00	-----

VARIETIES OF JUNIPER VIRGINIANA

virginiana canaerti (Canaert's Red Cedar) 15-18 ft.

Soft, dark green foliage; the most popular of the many grafted varieties. Holds its color well throughout the year. Frequently produces silvery-blue berries.

2½ to 3 ft.	47 50	450 00
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virginiana keteleeri. 15-18 ft.

Medium-sized pyramidal tree of light green color, does not turn brown in winter. A fine disease-resistant, hardy variety.

2½ to 3 ft.	47 50	450 00
3 to 3½ ft.	55 00	525 00
3½ to 4 ft.	62 50	600 00
4 to 4½ ft.	70 00	675 00
4½ to 5 ft.	80 00	775 00
5 to 6 ft.	90 00	875 00

PICEA (SPRUCE)

excelsa (Norway Spruce) 60-70 ft.

A lofty, noble tree of open, pyramidal habit, dark green foliage.

2 to 3 ft.	19 50	175 00
3 to 4 ft.	30 00	275 00
4 to 5 ft.	40 00	375 00
5 to 6 ft.	45 00	425 00

glauca densata (Black Hill Spruce) 40-50 ft.

Usually symmetrical, compact and bushy; foliage varies from green to blue-green. Retains its branches close to the ground even in old trees. One of the hardiest Spruces.

2½ to 3 ft.	27 50	250 00
3 to 3½ ft.	32 50	300 00
3½ to 4 ft.	37 50	350 00
4 to 5 ft.	47 50	450 00
5 to 6 ft.	57 50	550 00

pungens, (Colorado Green Spruce) 60-80 ft.

Symmetrical upright habit. Light green, sometimes silvery foliage. Popular hardy tree. Succeeds in dry climates.

2 to 2½ ft.	27 50	250 00
2½ to 3 ft.	32 50	300 00
3 to 3½ ft.	40 00	375 00
3½ to 4 ft.	47 50	450 00

pungens glauca, (Colorado Blue Spruce) 60-80 ft.

Select Seedling type. Foliage ranging from blue to silvery white. Very popular for lawn planting.

2 to 2½ ft.	50 00	450 00
2½ to 3 ft.	65 00	600 00
3 to 3½ ft.	80 00	750 00
3½ to 4 ft.	90 00	850 00

ROSES

All our roses are grown by men who have had long years of experience in growing roses. The land on which they are grown is carefully selected for its ability to produce a very fibrous root system and strong vigorous tops.

The buds are placed low on the understock thus eliminating "shanky" bushes and are nipped at just the right time to produce the maximum number of low branched canes.

Throughout the growing season they are fertilized regularly. After every rain or once per week, whichever would be most frequent, they are thoroughly dusted.

By following this pattern we are able to hold the foliage on our roses throughout the summer. Consequently they continue to grow through the summer, storing up food for winter storage.

They are dug only when thoroughly dormant and are transferred directly to iced cars for shipment to Shenandoah where they are carefully graded and placed in our modern cold storage until you request shipment.

OUR ROSES ARE GUARANTEED TO PLEASE.

All roses are tied No. 1 and No. 1½, 10 per bundle No. 2, 25 per bundle. We do not break bundles.

BABY ROSES—Dwarf Polyantha and Floribunda

	Per 10	Per 100	Per 1000
No. 1	\$ 5 50	\$ 50 00	\$-----
No. 1½	4 50	40 00	-----
No. 2	2 90	25 00	-----
	No. 1	No. 1½	No. 2
Cameo, shell pink and salmon with a glow of gold; blooms continuously.	150	150	60
Ellen Poulsen, splendid bright rose-pink flowers of large size.	100	30	70
Else Poulsen, lasting bright rose-pink flowers; semi-double.	50	50	250
Floradora, Scarlet and geranium red floribunda producing double 25 petaled flowers. Height 2½ feet. A.A.R.S. 1945 Award.	---	---	120
Gruss an Aachen, large light flesh-pink and salmon-yellow.	150	150	240
Ideal, dark scarlet in immense compact clusters.	---	50	40
Poulsen's Yellow, bud copper, yellow flowers semi-double.	550	50	---

CLIMBERS AND RAMBLERS

	Per 10	Per 100	Per 1000
Dr. Van Fleet, large, flesh-pink flowers on long stem.			
250 No. 2	\$ 2 90	\$ 25 00	\$200 00
Gardenia, creamy-yellow flowers in small sprays.			
300 No. 1	3 50	30 00	-----
490 No. 2	1 90	16 00	-----

RUGOSA, HYBRIDS AND MISCELLANEOUS

Belle Poitevine, very large, magenta-pink flowers.			
260 2 to 3 ft.	5 00	45 00	400 00
300 18 to 24 in.	4 00	35 00	300 00
780 12 to 18 in.	2 90	25 00	220 00
Hansa, large, double reddish violet flowers; very hardy.			
100 12 to 18 in.	2 90	25 00	-----
Harrison's Yellow, semi-double bright yellow; early.			
220 12 to 18 in.	4 50	40 00	-----
Hugonis, early blooming shrub rose; pale yellow; hardy.			
1000 2 to 3 ft.	5 50	50 00	450 00
650 18 to 24 in.	4 50	40 00	350 00
Rugosa Rubra, large single flowers of various shades of pink magenta, and rosy crimson, blooms early.			
190 12 to 18 in.	2 90	25 00	-----
Sir Thos. Lipton, snowy white flower freely produced.			
500 2 to 3 ft.	6 50	60 00	-----

PATENTED ROSES

We offer these roses under license from patent owner. It is understood and agreed that they are FOR SALE AT RETAIL ONLY, at or above prices specified. 10 to 20 per variety at 10 rate; 20 to 250 per variety at 100 rate; 250 or more per variety at 1000 rate where published—PRICES ARE NET.

	HYBRID TEA	Per 10	Per 100	Per 1000
Charlotte Armstrong , Patent No. 455. (Retails \$1.50 each; \$15.00 per doz.) Brilliant blood-red buds on long slender stems opening to magnificent spectrum-red in cool weather, cerise in hot weather. A.A.R.S. award for 1941.				
No. 1½	-----	\$ 7 20	\$ 60 00	\$
Crimson Glory , Patent No. 105. (Retails \$1.35 each; \$13.50 per doz.) Most popular of all the crimson roses. Flowers very large deep crimson with perfect form and fine fragrance.				
No. 1	-----	7 50	65 00	550 00
No. 1½	-----	6 00	52 00	440 00
Diamond Jubilee , Patent No. 824. (Retails \$2.00 each; \$20.00 per doz.) Double high-centered flowers of glowing buff-orange, with a touch of orange-yellow at base of petals. A.A.R.S. award for 1948.				
No. 1	-----	11 00	100 00	-----
No. 1½	-----	8 80	80 00	-----
Mandalay , Patent No. 775. (Retails \$2.00 each; \$20.00 per doz.) Long pointed, golden yellow bud; flower opens slowly and perfectly retaining its potent golden yellow; delicate fragrance. Large high centered blooms on long stems, largest yellow rose. Very free blooming. Disease resistant.				
No. 1½	-----	8 80	80 00	680 00
New Yorker , Patent No. 823. (Retails \$2.00 each; \$20.00 per doz.) Perfectly formed buds; brilliant unfading red blooms, often measuring 5½ in. across. Delightful almost raspberry fragrance. Plants are very vigorous, hardy, and disease resistant. One of America's very best red roses.				
No. 1	-----	11 00	100 00	850 00
No. 1½	-----	8 80	80 00	680 00
Peace , Patent No. 591. (Retails \$2.00 each; \$20.00 per doz.) This rose is almost unbelievable. One marvel of it is the dawn-like range of colors through which it passes, from opening yellow buds, with edges picoted cerise, to the glorious 5 inch, alabaster blooms, each petal edged with pink that seems to deepen as the flower slowly opens. The shades of color vary, also from flower to flower and through the changing seasons. We find this one of the largest of all Hybrid Tea roses with fine rich green foliage and strong healthy canes. This rose has everything a tea rose could possibly have. A.A.R.S. award for 1946.				
No. 1	-----	11 00	100 00	-----

All of our roses are stored in our new cold storage, one of the most modern and best of its kind in the country. Temperature and humidity being automatically controlled.

PATENTED ROSES—(Continued)

	Per 10	Per 100	Per 1000
Sunset Glory, Patent No. 738. (Retails \$1.50 each; \$15.00 per doz.) Buds are yellow suffused with pink opening to a golden yellow overlaid with dusty rose-pink. Flowers are very full and many petaled, 4 to 5 in. across. An improved McGredy's Sunset.			
No. 1	\$ 9 00	\$75 00	\$650 00
No. 1½	7 20	60 00	520 00
Taffeta, Patent No. 716. (Retails \$1.50 each; \$15.00 per doz.) Rich carmine-Rose in the bud, changing to Begonia-Rose in open flower. Reverse of petals is yellow. Medium to large buds are perfectly formed with edges of the petals often frilled. They open to form double flowers with 21 well textured petals. A.A.R.S. award for 1948.			
No. 1	9 00	75 00	-----
No. 1½	7 20	60 00	520 00
Tallyho, Patent No. 828. (Retails \$2.00 each; \$20.00 per doz.) A bright color but the contrast is not great. The color on the inside of the petals is a varying but always a delightful and unique shade of pink. The outside of the petals is a rich Crimson. The buds, before they unfold, are deep Cardinal-Red. The long-stemmed blooms open slowly and last exceedingly well because they have such heavy substance. They are very large when fully open, of perfect form and with spicy fragrance. A.A.R.S. award for 1949.			
No. 1	11 00	100 00	850 00
No. 1½	8 80	80 00	-----

PATENTED CLIMBERS

Cl. Crimson Glory, Patent No. 7236. (Retails \$2.00 each; \$20.00 per doz.) Climbing form of the outstanding hybrids- tea, producing an abundance of perfectly formed crimson colored blooms.			
	Per 10	Per 100	Per 1000
No. 1	\$11 00	\$100 00	\$-----
No. 1½	8 80	80 00	-----
Cl. Peace, Plant Patent Pending (Retails \$2.00 each.) Climbing form of the famous bush Hybrid Tea			
No. 1	11 00	100 00	-----

PATENTED FLORIBUNDA

Summer Snow, Patent No. 416. (Retails \$1.25 each; \$12.50 per doz.) Low broad plants, splendid for foreground plantings in rose beds. Large clusters of buff-cream buds opening to clear white blooms 3½ inches across.			
	Per 10	Per 100	Per 1000
No. 1	\$ 7 00	\$60 00	\$-----
No. 1½	5 60	52 00	-----

All of our roses are stored in our new cold storage, one of the most modern and best of its kind in the country. Temperature and humidity being automatically controlled.

HARDY PERENNIAL PLANTS

Our assortment of Hardy Perennials, Alpine and Rock Garden Plants includes a very select list of the newer varieties as well as indispensable old favorites.

We offer Field Grown, clean, well-rooted individual plants that are vigorous and free from disease.

Our perennials are properly packed with fresh, clean packing material in well ventilated boxes.

All perennials are very perishable and should be shipped by express.

Perennials offered in this section are bare-root. Starred varieties (*) especially suited for rock-garden.

ACHILLEA, Milfoil or Yarrom	Per 10	Per 100
Ptarmica, The Pearl. Large double white. 18 in. June-July..	\$ 1 20	\$ 10 00
AQUILEGIA, Columbine. May-June.		
Pink and Rose Shades, long spurred flowers. 2 ft.	1 20	10 00
CAMPANULA, Bellflower		
medium (Single canterburybells), large bell-shaped flowers.		
Blue and Rose, separate colors. June. 2 ft.	1 40	12 00

GARDEN CHRYSANTHEMUMS

Orders for Spring delivery will be filled with 1 year field grown dormant plants or well-furnished heavily rooted 2½ inch pot plants.

STANDARD AND KOREAN VARIETIES

	Per 10	Per 100
Algonquin , a very hardy variety, with healthy foliage. Pure. bright yellow flowers; large and double. Early	\$ 1 80	\$ 15 00
Avalanche . Large well formed double white flowers in great quantities. A beautiful white chrysanthemum. 2½ to 3 ft. Late Sept.	1 80	15 00
Dahlia Flower , low growing branchy plants covered with bloom of a deep wine red.	1 80	15 00
Dean Kay Pink . Produces a great abundance of excellent rose-pink flowers in a profuse mass. Perfectly hardy. Grows 2 to 2½ ft.	1 80	15 00
Emmett , a very free-flowering single rosy-bronze; another splendid early variety. September 10th. 24 in.	1 40	12 00
Lorelei , a very good double, early yellow; large blooms produced on tall, strong plants. September 10th. 2 ft.	1 40	12 00
Pohatcong , a conservative pleasing shade of lavender-rose. Double flowers on dwarf, compact plants.	1 40	12 00

SPECIAL LIST OF NEW VARIETIES OF CHRYSANTHEMUMS

	Per 10	Per 100
Allegro . Double blooms of glowing shrimp-pink with coppery salmon sheen. Early Oct. 22 inches.	\$ 1 80	\$ 15 00
Betty . An excellent upright rose-pink without a trace of magenta. One of the finest new pinks. Late September. 28 inches.	2 10	18 00

PERENNIALS—(Continued)

CHRYSANTHEMUMS—(Continued)

	Per 10	Per 100
Charm Spoon Blooms open to a lovely rhodonite-red and gradually fades to a rich dusty rose. Excellent habit of growth. Late September. 26 inches.	2 10	18 00
Chris Columbus. Double. New outstanding ivory-white. A luxuriant grower, excellent for cutting. Late September. 26 inches.	2 10	18 00
Generalissimo. A very rugged, fully double flower of soft magnolia-purple. Early September.	2 90	25 00
Gold. Flowers are large, very double golden bronze. Fine for cutting. Late September. 22 inches.	2 10	18 00
Gold Pagent. Masses of 3 inch double flowers of Gold with a darker shimmering sheen. Orange buds create a contrasting mass of harmonious beauty. Blooms early—September 25th.	2 10	18 00
Golden Memories. Brilliant golden yellow button in sprays with new buds in abundance. Start opening from August throughout the entire season. Large massive plant 28 inches across.	2 10	18 00
Little Eskimo. Pure white ball shaped flowers 1½ inches in diameter. A very profuse bloomer. Does not fade. Late August. 18 inches.	1 80	15 00
Pink Surprise. Great mass of giant double 4½ inch brilliant pink blooms. Best early pink—September 15th. A leader in its color.	2 10	18 00
September Dawn. Beautiful deep pink perfectly formed blooms. The large perfectly formed flowers are from 3 to 3½ inches in diameter. Double. The best of the pinks.	2 10	18 00
Sunbeam. A very fine golden yellow. Responds well when disbudded. Fine for cut flowers.	2 10	18 00

UNIVERSITY OF MINNESOTA INTRODUCTIONS

Glacier. Pure glistening white, full double flowers. Plants are covered solidly with blooms. Fine for borders. Late August. 16 inches.	2 10	18 00
Red Gold. Double. Blooms are a lively combination of red and golden orange. Probably the 'gaudiest of all Pom-Poms. Late August. 20 in.	2 10	18 00

UNIVERSITY OF CHICAGO INTRODUCTIONS

	Per 10	Per 100
Autumnsong. Large double blooms of wine rose shading to carmine. An entirely new color in mums. One of the most outstanding Chicago introductions. Early September. 20 inches.	2 10	18 00
Charles Nye. Large, 3 inch fully double, rich buttercup-yellow flowers produced in clusters. Excellent for cutting. Late September. 28 inches.	2 10	18 00

PERENNIALS—(Continued)

UNIVERSITY OF CHICAGO INTRODUCTIONS—(Continued)

	Per 10	Per 100
Courageous. Large bright dark ruby-red double flowers 3½ inches in diameter. A strong, upright plant with healthy green foliage. Late September.	\$ 2 10	\$ 18 00
Early Harvest. Produces a mass of charming double mahogany-orange flowers for two months. A superior cushion type plant. Early September. 16 inches.	2 10	18 00
Glowing Coals. Double blooms of deep cherry-red with orange reverse. Well branched plants. One of the best early reds. Mid September. 24 inches.	2 10	18 00
Heatherbloom. Heather-pink with center shaded rose-red with gold tipping. Very double. An outstanding variety. Late September. 20 inches.	2 10	18 00
Meditation. Full double blooms 3 inches in diameter. Firm two-toned flowers of light jasper-red and maize-yellow with orange reverse. When mature the flowers are a clear bright reddish peach. An excellent cut flower. The 1948 "Mum of the Year." Early October. 30 inches.	2 90	25 00
Olive Longland. Blooms are double apricot-toned salmon-pink, 3 inches in diameter. The best of the Chicago pastels. Erect growth. Late September. 24-30 inches.	2 10	18 00
Pepita. Button Pom-Pom, densely quilled. Egg-shell-white with darker center. Changing to pure white with cream center. Late September. 22 inches.	2 10	18 00
Violet. The newest University of Minnesota purple introduction. Full double, dahlia like blooms of good color cover entire plant. Late August. 20 inches.	2 10	18 00

NEW HARDY ENGLISH CHRYSANTHEMUMS

Indiana. Double blooms of rich velvety crimson shaded darker at the center borne on long stems. Good disbudded or in sprays. Late September. 24 inches.	2 40	20 00
Leda. Large heliotrope pink beautifully rolled petals. Double flowers 4 to 5 inches in diameter are produced when disbudded to a dozen or so to the plant. Excellent for early cut flowers. Strong stems. Early September. 30 inches.	2 40	20 00
Orange Glow. Orange-bronze flowers with gold reverse. Blooms profusely on good stems. Disbudding not necessary. Double. Mid September. 26 inches.	\$ 2 90	\$ 25 00
Rose Princess. A very striking flower of salmon-rose, base flushed with gold. Double blooms on strong stiff stems. Late September. 24 inches.	2 40	20 00
Vulcan. Large brilliant crimson well shaped flowers are produced profusely. The best of the English reds. Mid September. 26 inches.	2 40	20 00

CUSHION CHRYSANTHEMUMS

A group of low-growing Mums, forming mounds of blooms reminding one of the old-fashioned Azalea. The plants grow from 12 to 18 inches high and have a spread of from 2 to 2½ ft. The flowers appear early in September and remain on plants over a long period.

	Per 10	Per 100
Pink Cushion, masses of light pink flowers in broad mounds.	\$ 1 80	\$ 15 00
Purple Cushion. A brilliant royal purple. A new very showy cushion type mum.	2 10	18 00
Red Cushion, a splendid improved early crimson red variety.	1 80	15 00
White Cushion, a select strain, double white flowers.	1 80	15 00

HARDY CARNATION—See *Dianthus Grenadin Caryophyllus*

COREOPSIS, Tickseed

Mayfield Giant, large yellow flowers on firm, strong stems.	1 20	10 00
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PERENNIALS—(Continued)

DAISY SHASTA, <i>Chrysanthemum Maximum</i>	Per 10	Per 100
Alaska Supreme, shapely plants, large flowers. June-July. ...	\$ 1 20	\$ 10 00
Elder Improved, large white, usually in bloom for Decoration Day. 2 ft.	1 20	10 00

DELPHINIUM, Larkspur

La Martine, dark indigo-blue flowers. Blooms profusely and continuously all summer; is not subject to disease. 4-5 ft.	1 20	10 00
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*DIANTHUS

barbatus, Old-Fashioned Sweet Williams. May-June.

atrococcineus flore pleno, deep intense scarlet; double-flowering. Blooms all summer. 12 in.	1 20	10 00
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Sutton's Strain of Giant White, and Rich Crimson. Separate colors. 15 in.	1 20	10 00
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Species:

latifolius Silver Mine, white flowers. Prolific bloomer. 8 to 10 in.	1 40	12 00
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DIANTHUS GRENADIN CARYOPHYLLUS

(HARDY CARNATION)

Per 10 Per 100

This is the hardiest of all outdoor carnations. Very fragrant, full double producing large flowers on long stems. The finest of all varieties.

Rose Queen Triumph. Deep Delicate Pink.	\$1 80	\$ 15 00
Scarlet—Rich Scarlet. Extra Large Flowering.	1 80	15 00
White.	1 80	15 00

DIELYTRA, (DICENTRA) Bleeding Heart

Per 10 Per 100 Per 1000

*eximia, Fern-leaved Bleeding Heart. A hardy worthy variety for rock-garden planting, borders and many other locations. Rose pink flowers in showy racemes all summer. 15 in.	\$ 2 10	\$ 18 00	\$160 00
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*FUNKIA, plaintain Lily

lancifolia, green foliage, lilac flowers. July-Aug. 18 in.	1 80	15 00	130 00
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*variegata, green and white foliage, blue flowers. July. 12 in.	2 10	18 00	160 00
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GAILLARDIA, Blanket Flower. June until frost.

Burgundy, rich wine-red; excellent for cutting. 1½-2 ft.	1 40	12 00	100 00
Dazzler, large golden and maroon flowers, strong stems. 1½ ft.	1 40	12 00	100 00
Sunset, large flowers are pure yellow with red center	1 40	12 00	100 00

GYPSOPHILA, Baby's Breath

Per 10 Per 100

paniculata compacta, a symmetrical mass of minute white flowers during August and September. 2 ft.	1 20	10 00
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HEMEROCALLIS, Day Lily

Bay State. Fine large blooms with fluted petals of clear yellow. Perfectly formed flowers. A heavy and persistent bloomer. July and August. 36 inches.	1 80	15 00
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Dawn. A new English introduction. A very good and unusual variety. Blooms are rose-buff in color and over 5 inches across. July and August. 38 inches.	3 50	30 00
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PERENNIALS—(Continued)

HEMEROCALLIS, DAY LILY—(Continued)

	Per 10	Per 100
flava , clear lemon yellow, sweet scented, profuse. June. 2½ ft. -----	\$ 1 40	\$ 12 00
Florham , large trumpet-shaped golden yellow flowers. June. -----	1 80	15 00
Hyperion . Exceptionally large blooms, seven inches, of a soft canary yellow. Fine form and substance. Very fragrant. Considered by many the finest Hemerocallis ever introduced. June-July. 3½ feet. -----	4 00	35 00
Kwanso Fl. Pl. , a double-flowering variety; rich golden bronze. July-August. 4 ft. -----	1 80	15 00
Margaret Perry , brilliant coppery crimson flowers with clear yellow base. A vigorous tall grower. 5-6 ft. -----	1 80	15 00
Mrs. H. Wyman perfect, well rounded flowers of pure gold. July-August. 4 ft. -----	1 80	15 00
Thunbergi much like flava but flowers one month later. July. 2½ ft. -----	1 20	10 00
*HIBISCUS, Rose Mallow		
Giant Flowering Mixed . August-September. 4-5 ft. -----	1 40	12 00
HOLLYHOCKS, Althea Rosea		
Double Separate Colors, Blood Red, Lilac Beauty, Newport Pink, White, and Yellow . July. 4 ft. -----	1 40	12 00
LATHYRUS, Everlasting Sweet Pea		
latifolius , a lovely trailing plant that blooms all summer. Pink, Red and White, separate colors. 3 ft. -----	1 40	12 00
*LINUM, Flax		
perenne , bright blue flowers, upright growth. -----	1 20	10 00
MYOSOTIS, Forget-me-not		
*Palustris Semperflorens , rich blue flower, yellow eye. Blooms all summer. 8 in. -----	1 20	10 00

PHLOX—Paniculata

All varieties of Phlox offered are Field Grown; they have been twice transplanted are vigorous and well developed.

	Per 10	Per 100
Annie Laurie . Rich, deep salmon. Large trusses. Grows to a height of about three feet. -----	\$ 2 10	\$ 18 00
Graff Zepplin . Ivory white flowers with vermillion red eyes. Of average height. Free flowering. -----	2 10	18 00
Harvest Fire , large, salmon-orange trusses made up of large florets. -----	2 10	18 00
Jules Sandeau , rather dwarf in habit, but producing very large heads of brilliant watermelon pink blossoms. -----	1 80	15 00
Moonlight Dream . Large rich creamy white trusses. Medium grower. -----	2 40	20 00
Orange Beauty . One of the newest, and the best orange we have ever seen. Brilliant clear orange with large flowers. Good grower. -----	2 40	20 00
Ruby Lee . Extra large plum-red flowers. Medium height. -----	2 40	20 00
Salmon Glow . Beautiful, large flame pink flowers with salmon flush. -----	2 10	18 00
Thor , deep salmon-pink, overlaid with a scarlet glow; small red eye. Not new but still one of the best. Very free-flowering. -----	1 80	15 00

PERENNIALS—(Continued)

	Per 10	Per 100	Per 1000
PHLOX, subulata, Moss or Mountain Pinks			
alba , pure white flowers cover the plant in May.	\$ 1 40	\$ 12 00	\$100 00
atropurpurea , the best red subulata Phlox; deep carmine red, darker eye. May-June. 4 in.	1 40	12 00	100 00
Blue Emerald Cushion . New blue, with mats of lovely emerald-green foliage.	2 10	18 00	160 00
Emerald Cushion . A new variety producing a mass of pure pink blooms. Plant is very compact and sturdy. Foliage is greenest of all creeping phlox.	2 10	18 00	160 00
rosea , rose-pink; thrives in hot, dry situations; a fine bank cover.	1 40	12 00	-----
Samson , rose-pink; darker eye. Blooms again in the Fall.	1 40	12 00	100 00
Vivid , vivid-rose-pink, darker eye. Very choice; free flowering.	1 40	12 00	-----
PLATYCODON, Balloon Flower. June and July. 18 in.			
grandiflorum , blue.	1 40	12 00	-----
PYRETHRUM, Painted Daisy. May-June. 18 in.			
atrosanguinea , deep rose-red, single flowers.	1 40	12 00	100 00
hybridum roseum , soft pink and rose shades, single.	1 40	12 00	100 00
SALVIA (Sage)			
Edible, especially valuable for seasoning. 2 ft.	1 20	10 00	-----
*SEDUM, Stonecrop		Per 10	Per 100
Acre, (Golden Moss) green foliage, yellow flowers. July. 4 in.		1 40	12 00
Spectabilis Brilliant , light green foliage, broad heads of rich rose-red flowers. August-September. 15 in.		1 40	12 00
VERONICA, Speedwell			
Amethystina, (Royal Blue) . Beautiful spikes of rich gen- tion blue flowers in June and July. 10 to 15 inches. Ex- cellent for rock garden or border.		1 80	15 00
LILIUM, Domestic Grown			
regale , flowers are white, slightly suffused with pink, with a beautiful shade of canary yellow extending part way up the trumpet. June-July. 3-5 ft. 4 to 6 in.		90	7 00
tenuifolium (Carol L) Narrow-leaved; deep scarlet waxen recurved flowers. June. 15 in. 2 to 3 in.		1 00	8 00
3 to 4 in.		1 20	10 00
4 to 5 in.		1 40	12 00
tigrinum , the well-known old-fashioned lily; bright orange, thickly covered with purple spots. Single 4 to 6 in.		1 40	12 00
Single 6 to 8 in.		1 80	15 00
LILY-OF-THE-VALLEY (Convallaria majalis)			
Very fragrant pure white, bell-shaped flowers for shaded locations. Pips		40	3 50

NOTES

NURSERYMEN'S SUPPLIES

BOXING CHARGES

30x30x10	-----	\$6.00	24x24x6	-----	\$3.75
30x30x8	-----	5.25	20x20x10	-----	4.25
30x30x6	-----	4.50	20x20x8	-----	3.75
30x30x5	-----	3.75	20x20x5	-----	3.00
30x30x4	-----	3.25	18x18x10	-----	4.25
24x24x10	-----	5.25	16x16x10	-----	3.50
24x24x8	-----	4.75	12x12x10	-----	3.00

CORRUGATED BOXES

60x16x16	-----	\$1.15	24x15x15	-----	\$.60
48x20x20	-----	1.00	24x12x12	-----	.45
48x16x16	-----	.85	24x8x8	-----	.35
36x15x15	-----	.60	22x15x22	-----	.65
36x10x12	-----	.75	22x12x12	-----	.50
28x8x8	-----	.35	15x12x10	-----	.35

Bales will be charged at actual cost of the material and labor.

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